

sPower Spotsylvania Solar Energy Project Water Use Plan

The Spotsylvania Solar Energy Center Project (Project) is a 500-megawatt (MW) photovoltaic (PV) solar energy facility proposed in Western Spotsylvania County, Virginia. The Project consists of approximately 6,350 acres of timbered land (of which approximately 3,500 acres will be developed for the Project) separated into three non-contiguous boundaries. The following is sPower's general water use plan for both the construction and operation phases of the project.

Construction Phase

- During the construction phase, the majority of the anticipated water need will be for soil grading and compaction and for dust suppression.
- sPower is committed to buying water from the local municipal water system and will use no more than 100,000 gallons per day.
- Two (2) 50,000-gallon water tanks will be located on the project site and will have off-site access for FREM.
- sPower is committed to keeping these tanks 50% full (25,000 gallons) at all times, in order to service potential FREM needs.
- One (1) 400,000-gallon tank will be located on the property and will connect to the municipal water system. sPower intends on needing only 25% of this tank (100,000 gallons) and the remainder will be for municipal use.
- Until the construction of the 400,000 gallon tank is complete, sPower will deploy "rain for rent" tanks on the property
- Depending on the location of construction activity within the project site, sPower will draw from the three water tanks described above as needed.
- sPower will draw up to 100,000 gallons per day from the municipal system to refill the 3 tanks described above as needed.
- Drawing water from the municipal system to refill the tanks will follow municipal water utility guidance
- sPower will not utilize groundwater during construction except as noted below in emergency scenarios

Operations Phase

- sPower does not anticipate needing water during the operational phase of the project.
- The only conceivable need would be for washing the solar panels and sPower is convinced the annual precipitation of Spotsylvania county will more than suffice, even during unforeseen drought situations.

Force Majeure

- Should the municipal system fail to meet the need described above due to a system failure, sPower reserves the right to draw from groundwater wells located on site.
- This practice would be limited to 50,000 gpd during construction only

- sPower would monitor pre-identified neighboring wells during this time to ensure short-term well water use does not have negative impacts on the local aquifer
- This practice would be utilized for a maximum of 10 days, after which, if the system failure persists, sPower will meet with County Staff to discuss water source alternatives.